

# Compensation & Extension Cables

## PVC insulated cables

A 1 L twisted · A 1 L single · A 16 L



A1 L twisted



A1 L single



A16 L



Also available with cross-sections 1.0 mm<sup>2</sup>, 0.75 mm<sup>2</sup>, 0.5 mm<sup>2</sup> and 0.22 mm<sup>2</sup>

### Construction:

<b>Insulation:</b>	PVC, Tl2 acc. to EN 50363-3 + VDE 0207-363-3
<b>Stranding:</b>	<b>A 1 L:</b> 2 conductors together <b>A 1 L single:</b> 2 conductors separately <b>A 16 L:</b> 2 conductors parallel positive conductor with colored stripe
<b>Shape:</b>	<b>A 1 L:</b> round <b>A 16 L:</b> oval
<b>Conductor construction:</b>	strand

### Technical data:

<b>Min. bending radius:</b>	7.5 x O.D.
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature range of insulation:</b>	<i>static:</i> -40/+70°C <i>flexible:</i> +5/+70°C
<b>Insulation resistance:</b>	> 1MΩ x km
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

<b>Type:</b> Conductor cross section: Outer diameter: Weight/100m:	<b>A 1 L twisted:</b> 1.5 mm <sup>2</sup> approx. 4.8 mm approx. 3.2 kg	<b>A 1 L single:</b> 1.5 mm <sup>2</sup> approx. 2.4 mm approx. 3.2 kg	<b>A 16 L:</b> 0.75 mm <sup>2</sup> approx. 1.9 x 3.8 mm approx. 1.8 kg
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### IEC 60584

for thermocouple	EMK at 100°C in mV	cable type	A 1 L twisted item no.	A 1 L single item no.	A 16 L item no.
Type T	4.28	TX	4018958	4028958	4035958
Type J	5.27	JX	4018952	4028952	4035952
Type K	4.10	KCA	4018995	4028995	4035995
Type K	4.01	KCB	4018999	4028999	4035999
Type K	4.10	KX	4018954	4028954	4035954
Type E	6.32	EX	4018953	4028953	4035953
Type R/S	0.65	R/SCB	4018997	4028997	4035997
Type N	2.77	NC	4018991	4028991	4035991

### DIN 43710 / 43714 (not valid for type B\*)

We continue to manufacture compensating and extension cables with color code acc. to DIN 43714 and the basic values of DIN 43710.

for thermocouple	EMK at 100°C in mV	cable type	A 1 L twisted item no.	A 1 L single item no.	A 16 L item no.
Type L	5.37	LX	4018992	4028992	4035992
Type K	4.10	KCA	4018994	4028994	4035994
Type R/S	0.65	R/SCB	4018996	4028996	4035996
Type U	4.25	UX	4018998	4028998	4035998
Type B*	0.00	BC-100	4018901	4028901	4035901
Type B*	0.033	BC-200	4018902	4028902	4035902

\* Not standardized compensating cable for thermocouples type B with application temperatures up to 100°C resp. 200°C.  
C = compensating cables · X = extension cables